ABSTRACT OF THE DISCLOSURE

A method and system to optimize ordering of firmware modules. Optimizing the dispatch order of firmware modules reduces the boot time of a computer system.

A plurality of module-to-module interfaces are collected from a plurality of firmware modules, wherein a module-to-module interface allows a first firmware module of the plurality of firmware modules to invoke a second firmware module of the plurality of firmware modules. A plurality of dependency expressions corresponding to the plurality of firmware modules are collected, wherein each dependency expression of a firmware module describes the module-to-module interfaces needed for execution of the firmware module. The plurality of firmware modules are sorted into an optimized order based on the plurality of dependency expressions and the plurality of module-to-module interfaces. In one embodiment, the plurality of firmware modules operate in accordance with an Extensible Firmware Interface (EFI) specification.